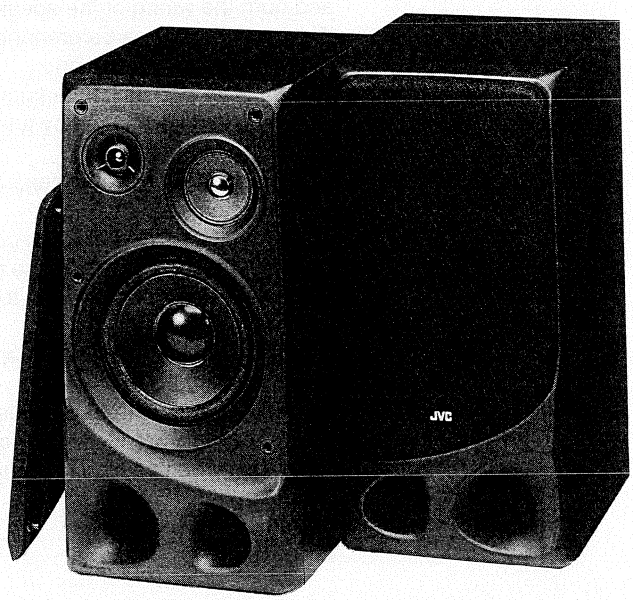
JVC

SERVICE MANUAL

SPEAKER SYSTEM

SP-MXC5BK



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Areas. E.U

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No. 20391B
Feb. 1993

Instructions

Connection
Conexión
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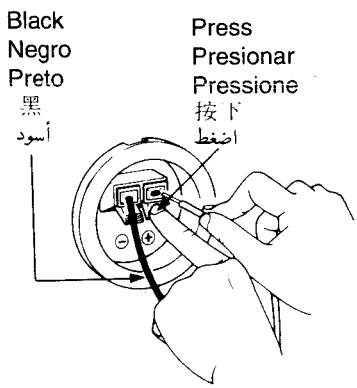


CONNECTION

- Connect the LEFT speaker terminals of the amplifier to the LEFT terminals of the speaker and RIGHT to RIGHT using the attached speaker cords as shown in the figure making sure polarity is correct; (+) to (+) and (–) to (–). Connect the black speaker wires to the (–) terminals.
- Turn off power to the whole system before connecting the speakers to the amplifier.
- The nominal impedance of the SP-MXC5 is 8 ohms. Connect them to an amplifier with the load impedance of 8 ohms speaker.
- The maximum power handling capacity of the SP-MXC5 is 50 watts. Excessive input will result in abnormal noise and possible damage. 70% of the maximum amplifier output is normally available when the volume control is set to its center position.
  In cases where the signals described below are applied to the speakers, even if the signals are below the maximum allowable input, they may cause an overload and burn the wiring of the speakers. Be sure to lower the amplifier volume beforehand.
  1) Noise during FM tuning.
  2) High level signals containing high frequency components produced by a tape deck in the fast forward mode.
  3) Click noise produced when turning power of other components on and off.
  4) Click noise produced when connecting or disconnecting cords with the power on.
  5) Click noise produced when the cartridge is replaced with the power on.
  6) Click noise produced when operating amplifier switches.
  7) Continuous high frequency oscillation or high pitch electronically produced musical instrument sound.
  8) Howling when using a microphones.

SPECIFICATIONS

Type:	:	3 way bass reflex type
Speakers:		
Woofer	:	13.5 cm (5-3/8") cone x 1
Midrange	:	6 cm (2-3/8") cone x 1
Tweeter	:	2 cm (13 /16") dome x 1
Power handling capacity	:	50 watts
Impedance	:	8 ohms
Frequence range	:	45 Hz — 20,000 Hz
Sound pressure level	:	88 dB/w • m
Dimension (W x H x D)	:	183 x 366 x 245 mm (7-1/4" x 14-7/16" x 9-11/16")
Weight	:	3.4 kg (7.5 lbs) each
Accessory	:	Speaker cord.....2

Design and specifications subject to change without notice.

Guide to Repair

■Removing the Saran board

Remove the Saran board by pulling its side toward you.

■Removing the holder

Insert a Philips screwdriver into the holder and lift it off.(See Fig. 1.)

Note: When the holder is removed, cover the ornament with felt or soft cloth to prevent tool marks or damage to them.(See Fig. 2.)

■Removing the ornament assembly

Remove the 4 holders on the front and remove the 4 screws underneath.(See Fig. 3.)

■Removing the Speaker Unit

(1)Removing the Woofer Unit

It mounted on the front side of the cabinet. Remove the ornament before dismounting the woofer.

(2)Removing the Midrange Unit

It is mounted by securing with screw at the rear of the ornament assembly. Remove the ornament before dismounting the midrange.

(3)Removing the Tweeter Unit

Removing the tweeter assembly

Remove the screws which fix the tweeter assembly with the back of the ornament assembly.

Lift up the tweeter assembly after pulling it slightly. Do not pull it too much not to damage the diaphragm.(See fig. 4.)

Note:

During removal of the speaker unit, be sure to protect the cabinet and speaker unit from dents or scratches by covering them with felt or other soft cloth.

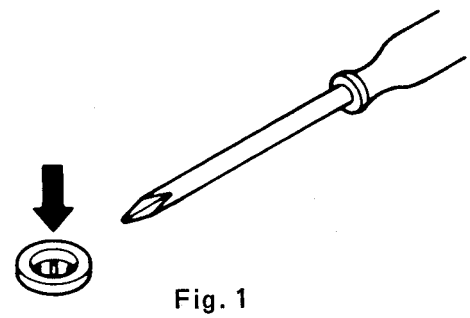


Fig. 1

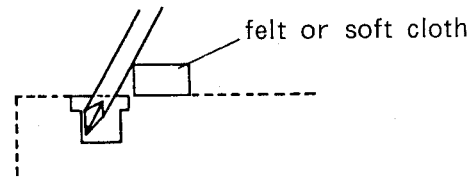


Fig. 2

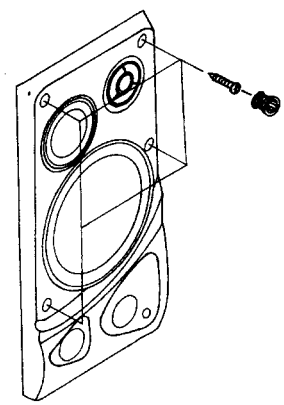


Fig. 3

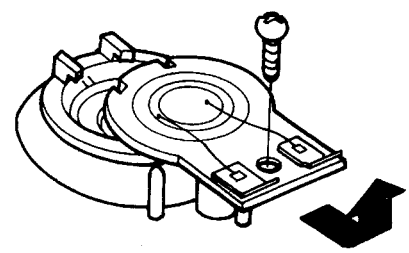


Fig. 4

■Replacing the speaker terminal

The speaker terminal assembly on the back panel has two notches. (See Fig. 5.)
Insert the tip of a screwdriver into each of the notches alternately and lift the terminal off. (See Fig. 6.)

Note: After replacing the assembly, apply rubber cement (Diabond #1600MA or equivalent) to the speaker terminal from the inside.(See Fig. 7.)

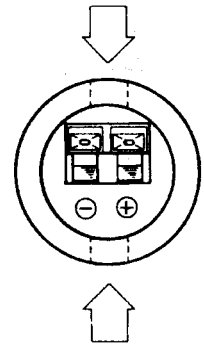


Fig. 5

■Removing the network assembly

The tweeter wires are fixed to the cabinet with hot melt. To remove the wires, heat the hot melt with a hair dryer to soften it.(See Fig. 8.)

Note: After replacing parts, apply rubber cement fill the hole with to prevent air leakage.

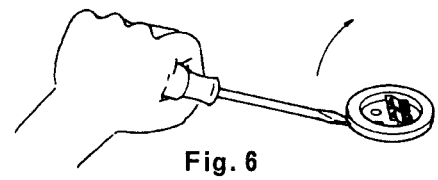
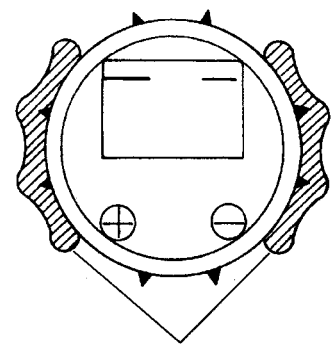


Fig. 6

■Sound absorbers

The cabinet contains sound absorbers. If they are taken out to replace the speaker unit, put them into the cabinet as shown in Figure 9.



Rubber cement

Fig. 7

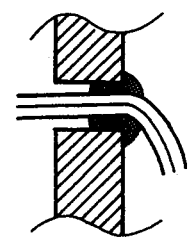


Fig. 8

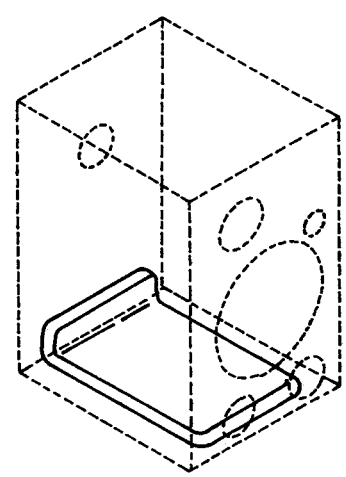
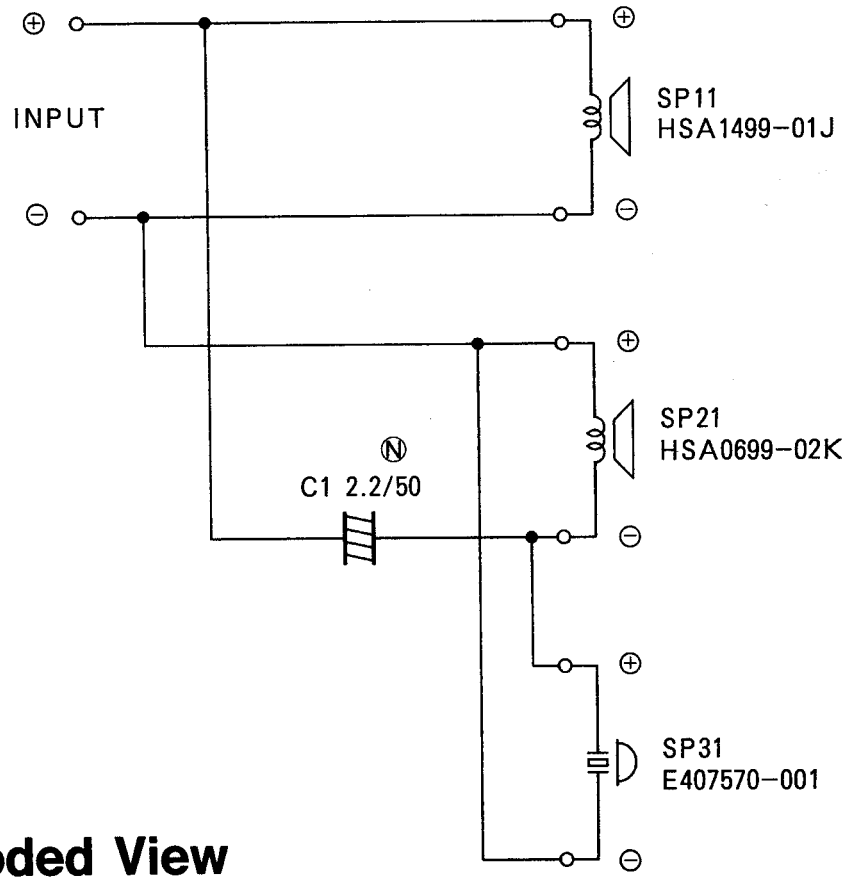
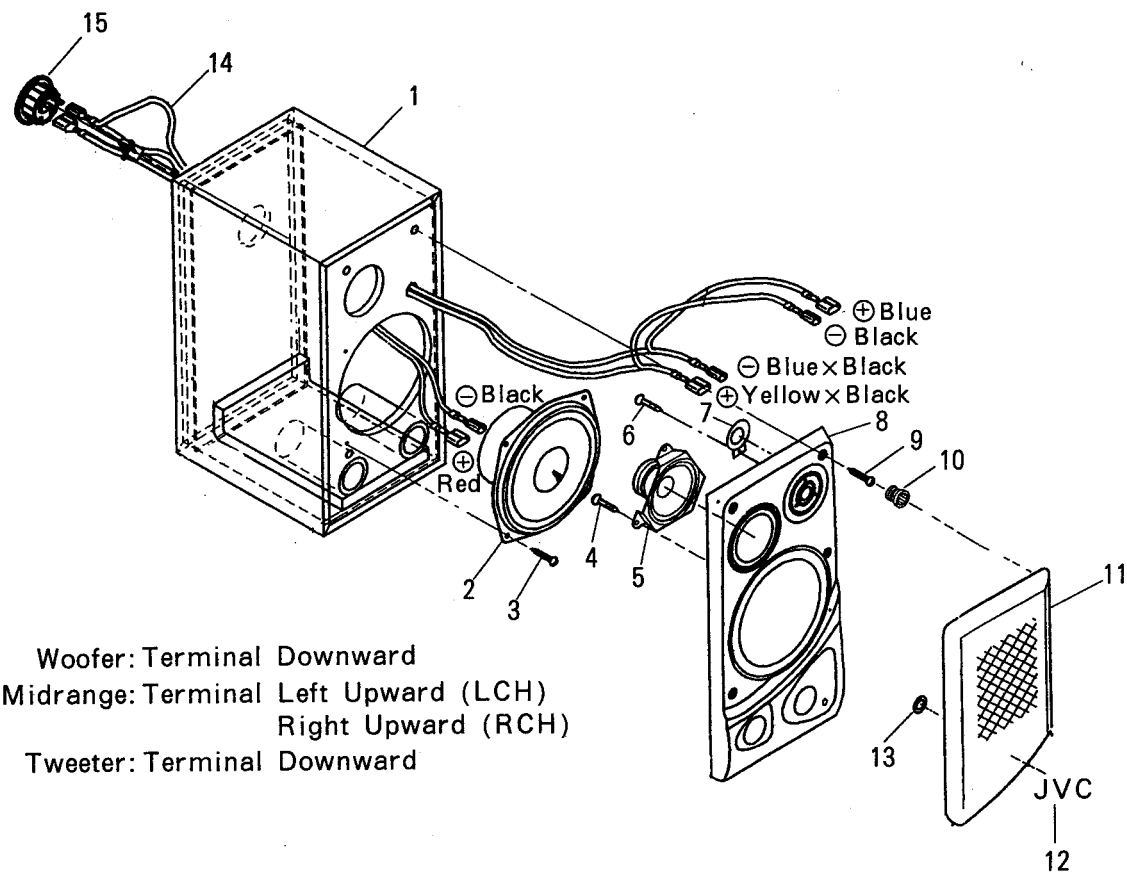


Fig. 9

Schematic Diagram



General Exploded View



Woofer: Terminal Downward
Midrange: Terminal Left Upward (LCH)
Right Upward (RCH)
Tweeter: Terminal Downward

Parts List

Item	Part Number	Part Name	Q'ty	Description	Areas
1	EZC-SP-MXC5BKL	Cabinet Assembly	1	Left	
	EZC-SP-MXC5BKR	Cabinet Assembly	1	Right	
2	HSA1499-01J	Speaker	1	Woofer SP11	
3	SDSA4020Z	Screw	4		
4	SBSF4010Z	Screw	3		
5	HSA0699-02K	Speaker	1	Midrange SP21	
6	SBSF4010Z	Screw	1		
7	E407570-001	Speaker Assembly	1	Tweeter SP31	
8	E102706-001	Ornament Assembly	1	Right	
	E102706-002	Ornament Assembly	1	Left	
9	GPSA3522M	Screw	4		
10	E407076-001	Holder	4		
11	E102707-001	Grille Assembly	1	Right	
	E102707-002	Grille Assembly	1	Left	
12	E75939-001	JVC Mark	1		
13	NSS3000M	Nut	1		
14	E407547-001	Net work Assembly	1		
15	E03823-092	Speaker Terminal	1		

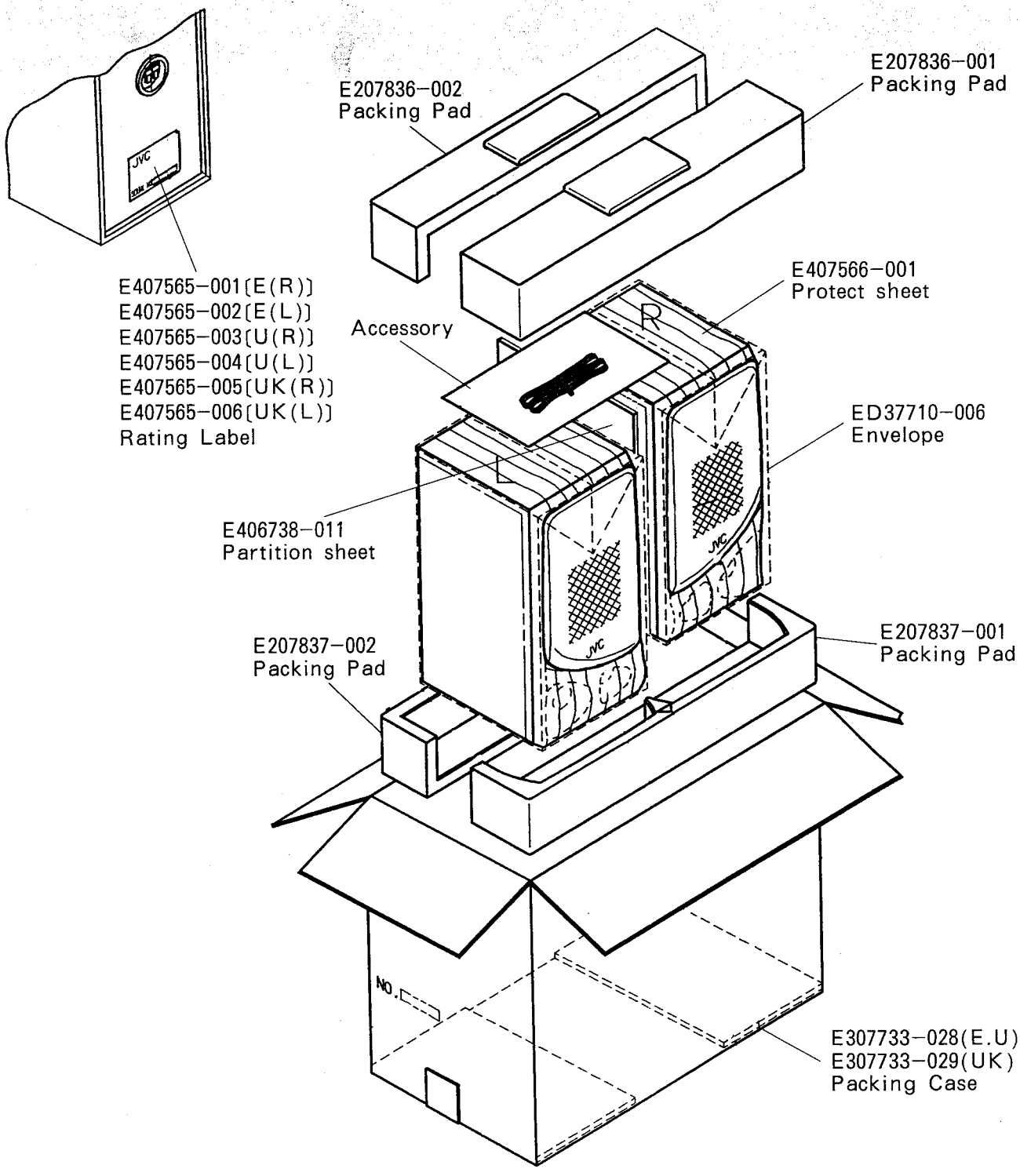
Accessories List

Part Number	Part Name	Q'ty	Description	Areas
E30580-1995A	Instruction Book	1		E.U
E30580-1996A	Instruction Book	1		UK
E407448-001	Speaker Cord	2		

The Marks for Designated Areas

E ·····Continental Europe
U ·····Universal Type
UK ·····Other
No mark indicates all areas.

Packing Materials and Part Numbers



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